Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Amended) A valve assembly comprising:

a replacement valve having a scalloped inflow annulus, an outflow annulus, and a plurality of leaflets; and

an anchoring structure comprising one or more sinusoidal inflow rings.

2. (Original) The valve assembly of claim 1, wherein said valve is positioned internally to said anchoring structure.

3. (Cancelled)

4. (Cancelled) .

5. (Original) The valve assembly of claim 1, wherein said inflow rings are configured in an inverse sinusoidal pattern.

6. (Original) The valve assembly of claim 1, wherein said anchoring structure further comprises one or more sinusoidal outflow rings.

7. (Original) The valve assembly of claim 6, wherein said sinusoidal outflow rings are configured in an inverse sinusoidal pattern.

8. (Original) The valve assembly of claim 6, further comprising a plurality of longitudinal rods connecting the inflow and outflow rings.

9. (Original) The valve assembly of claim 6, wherein the inflow or outflow rings further comprise attachment barbs

PAGE 3/4 * RCVD AT 4/4/2005 7:26:33 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/2 * DNIS:8729306 * CSID:213 243 2539 * DURATION (mm-ss):01-02